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AF 6/16  
JFW

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Arnon Shani, et al  
Serial No.: 09/856,795      Group No.: 1616  
Filed: August 14, 2001      Examiner.: Shaojia A. Jiang  
For: SUSTAINED RELEASE POLYMER-BASED WATER INSOLUBLE  
BEADS

Attorney Docket No.: U 013484-1

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUPPLEMENTAL RESPONSE

Further to the Amendment After Final dated 19 July 2004, Applicants submit herewith textbook pages that were inadvertently not submitted with the Amendment. These pages are referenced at page 15 of the Amendment.

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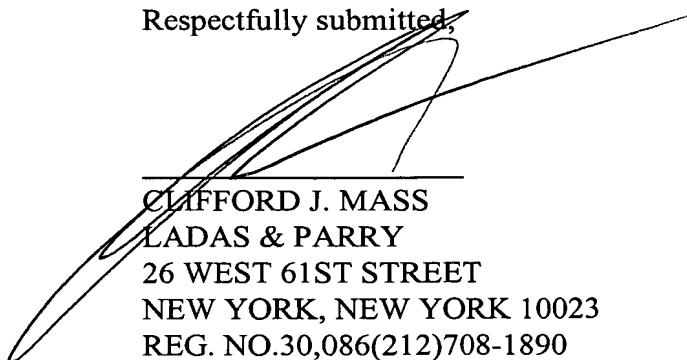
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Respectfully submitted,



CLIFFORD J. MASS  
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NEW YORK, NEW YORK 10023  
REG. NO.30,086(212)708-1890



# **LIST OF SEX PHEROMONES OF LEPIDOPTERA AND RELATED ATTRACTANTS**

Heinrich Arn • Miklós Tóth • Ernst Priesner

Organisation Internationale de Lutte Biologique, Section Régionale  
Ouest Paléarctique

International Organization for Biological Control, West Palearctic  
Regional Section

Working Group: Use of Pheromones and other Semiochemicals in  
Integrated Control

**1992** 2nd edition

Tortricidae, Tortricinae, Archipini

<i>Argyrotaenia angustilineata</i>	A	Z11-14Ac Z9E12-14Ac	1 1	Ando AgBiC 42:1081 1978 340
<i>Argyrotaenia angustilineata</i>	A	Z11-14Ac Z9-12Ac	1 1	Ando AgBiC 45:487 1981 341
<i>Argyrotaenia citrana</i>	P	Z11-14Ac a Z11-14Al a	15 1	HMI JCEc 1:215 1975 342
<i>Argyrotaenia dorsalana</i>	A	Z11-14Ac Z11-14OH	1 1	Steck CnEn 109:157 1977 343
<i>Argyrotaenia litana</i>	A	Z9-12Ac		Nagano JTakRsLb 38:209 1979 344
<i>Argyrotaenia lyngiana</i>	see <i>Argyrotaenia pulchellana</i>			345
<i>Argyrotaenia pulchellana</i>	A	Z11-14Ac		Maini InFFi 23:11 1973 346
<i>Argyrotaenia pulchellana</i>	A	Z11-14Ac E11-14Ac	8 2	Am OILBBozch 285 1975 347
<i>Argyrotaenia pulchellana</i>	A	Z11-14Ac E11-14Ac	9 1	Frérot AnZoEcAni 11:617 1979 348
<i>Argyrotaenia pulchellana</i>	P	Z11-14Ac u E11-14Ac u Z11-14OH 14Ac 21Hy 22Hy 23Hy	76 19 3 5	Frérot Ago 4:565 1984 349
<i>Argyrotaenia quadrifasciata</i>	A	Z10-12Ac		Ruelofs PhBirch 96 1974 350
<i>Argyrotaenia velutinana</i>	P	Z11-14Ac		Ruelofs Nu 219:513 1968 351
<i>Argyrotaenia velutinana</i>	P	Z11-14Ac u E11-14Ac u 12Ac u	48 12 125	Ruelofs JCEc 1:83 1975 352
<i>Argyrotaenia velutinana</i>	P	Z11-14Ac E11-14Ac 14Ac 11-12Ac Z9-12Ac E9-12Ac 12Ac	100 9 5 3 1 2 6	Bjostad SmAcree 223 1985 n 353
<i>Cacoecimorpha pronubana</i>	A	Z11-14Ac Z9-14Ac		Frérot AnZoEcAni 11:617 1979 354
<i>Cacoecimorpha pronubana</i>	O	Z11-14Ac Z11-14OH Z9-14OH 14Ac	18 1 1 20	Arsura AGIFISanr 3:327 1982 355

*Cacoecim  
pronuba*

*Cacoecim  
pronuba*

*Cacoecim  
pronuba*

*Cacoecimor  
pronubana*

*Cacoecimor  
pronubana  
effluvia*

*Cacoecimor  
pronubana  
effluvia 1'*

*Cacoecimor  
pronubana*

*Catantacta  
gavisana*

*Choristoneura  
biennis*

*Choristoneura  
carnana*

*Choristoneura  
conflictana*

*Choristoneura  
fractivittana*

*Choristoneura  
fractivittana*

*Choristoneura  
fumiferana*

*Choristoneura  
fumiferana*

Tortricidae, Tortricinae, Cnephasiini

Tortricidae, Tortricinae, Cnephasiini

<i>Arctophora arcuialis</i>	I	Z11-14Ac E11-14Ac	97 3	Horak JCEc 14:1163 1988 524
<i>Cnephasia alternella</i>	C	Z8-12Ac		Chambon AnZoEcAni 6:423 1974 525
<i>Cnephasia alternella</i>	C	Z8-12Ac E8-12Ac	72 28	Beauvais AnZoEcAni 9:457 1977 526
<i>Cnephasia alternella</i>	C	Z8-12Ac		SzirákI APhpAcScHu 13:205 1978 527
<i>Cnephasia usseclana</i>	see also <i>Cnephasia interjectana</i>			528
<i>Cnephasia communana</i>	A	Z8-12Ac E8-12Ac		Frilli Entomologica 10:31 1974 529
<i>Cnephasia ecultiana</i>	A	Z9-12Ac		Näsig NtLp 14:41 1991 530
<i>Cnephasia horaria</i>	A	Z7-10Ac		Steck CnEn 109:157 1977 531
<i>Cnephasia incertana</i>	A	11,11-difluoro-Z9- 12Ac		Bengtsson Ex 46:1211 1990 532
<i>Cnephasia interjectana</i>	A	E10-12Ac		BooiJ JCEc 10:135 1984 533
<i>Cnephasia interjectana</i>	C	E9-12Ac E9,11-12Ac		Brewer ZAngEn 100:327 1985 534
<i>Cnephasia interjectana</i>	A	E9-12Ac		Priesner pc 1986 535
<i>Cnephasia interjectana</i>	A	E9-12Ac		Hrady AEnBs 86:252 1989 536
<i>Cnephasia jactatana</i>	A	Z11-14Ac Z9-14Ac	95 5	Roelofs AnRvEcSy. 13:395 1982 537
<i>Cnephasia longana</i>	A	Z9-12Ac		Bathon NbDtPfd 35:81 1983 538
<i>Cnephasia longana</i>	A	Z9-12Ac Z9-12OH	1 1	BooiJ JCEc 10:135 1984 539
<i>Cnephasia longana</i>	P	Z9-12Ac	0.1	Bestmann ZNf 40c:667 1985 n 540
<i>Cnephasia pasouana</i>	A	Z8-12Ac E8-12Ac	96 4	Gigon BlSoNchScNi 103:45 1980 541
<i>Cnephasia punica</i>	P	E9-12Ac a Z9-12Ac a 12Ac u	6 4 4	Biwer AnZoEcAni 10:129 1977 542
<i>Cnephasia stephensiana</i>	C	Z8-12Ac E8-12Ac 12OH	93 7	Hrady AEnBs 76:65 1979 543

Tortricidae, Tortricinae, Cochylini

<i>Eupoecilia ambiguella</i>	A	Z9-11Ac		Arn CIINRA7 261 1982 618
<i>Eupoecilia ambiguella</i>	O	Z9-12Ac 12Ac or Z9-12Ac Z10-12Ac	1 1 2 1	Rauscher JCEc 10:253 1984 619
<i>Eupoecilia ambiguella</i> wash. lab. strain	P	Z9-12Ac E9-12Ac $\Delta 9,11$ -12Ac 12Ac Z9-12OH 16Ac 18Ac 20Ac	a <30 a <0.1 0.12 a <1 1 2 a <2000 4	Arn JCEc 12:1417 1986 n 620
<i>Eupoecilia ambiguella</i> gland	P	Z9-12Ac E9-12Ac $\Delta 9,11$ -12Ac 12Ac Z9-12OH 16Ac 18Ac 20Ac	a 100 0.5 0.1 a 3 8 10 a <2000 40	Arn JCEc 12:1417 1986 n 621
<i>Eupoecilia ambiguella</i> effluvia	P	Z9-12Ac E9-12Ac $\Delta 9,11$ -12Ac 12Ac Z9-11Ac 16Ac 18Ac 20Ac	a 100 0.1 0.1 a 0.8 a 0.5 0.2 a 30 a 5	Arn JCEc 12:1417 1986 n 622
<i>Eupoecilia ambiguella</i> wash. wild strain	P	Z9-12Ac E9-12Ac 12Ac $\Delta 9,11$ -12Ac 16Ac 18Ac 20Ac	a 10 0.1 a 0.4 0.11 1 a 20 0.2	Arn JCEc 12:1417 1986 n 623
<i>Eupoecilia ambiguella</i>	O	Z9-12Ac 12Ac 18Ac	1 1 2	Arn JCEc 12:1417 1986 624
<i>Eupoecilia ambiguella</i>	A	11,11-difluoro-Z9- 12Ac		Bengtsson Ex 46:1211 1990 625
<i>Eupoecilia angustana</i>	C	Z11-14Ac E11-14Ac 12Ac		Hrdy AEnBs 76:65 1979 626
<i>Eupoecilia kobeana</i>	A	Z11-14OH		Ando AgBiC 41:1485 1977 627
<i>Hysterosia cartwrightana</i>	A	E11-14Ac		Daterman CnBn 109:875 1977 628

Tortricidae, Olethreutinae, Eucosmini

<i>Ancylis pacificana</i>	A	Z9-12Ac			Stevens JLPSo 39:26 1985 723
<i>Ancylis sativa</i>	P	E9-12Ac a Z9-12Ac a E7-12Ac Z7-12Ac	4 1		Lin KxTon 29:1670 1984 L 724
<i>Ancylis simuloides</i>	A	Z9-12Ac			Stevens JLPSo 39:26 1985 725
<i>Ancylis sp.</i>	A	Z9,11-12Ac Z9,11-12OH	10 1		Chisholm JCEc 11:1341 1985 726
<i>Ancylis uncella</i>	A	Z9-12OH			Booij JCEc 10:135 1984 727
<i>Aphanta auricristana</i>	A	Z9-14Ac			Ando AgBiC 39:1163 1975 728
<i>Aphanta infida</i>	A	Z8-12Ac			Roelofs CRleaTahori 91 1971 729
<i>Barbara colfaxiana</i>	O	Z9-12OH Z9-12Ac	3 1		Hadlin EvEn 12:1751 1982 730
<i>Barbara inappana</i>	A	E9-12Ac			Reed JCEc 11:1645 1985 731
<i>Blastesthia posticana</i>	A	E9-12Ac			Booij JCEc 10:135 1984 732
<i>Blastesthia posticana</i>	O	E9-12Ac E9-12OH	9 1		Booij JApEn 102:253 1984 733
<i>Blastesthia turionella</i>	A	E9-12Ac			Booij JCEc 10:135 1984 734
<i>Cryptophlebia barachopa</i>	P	Z8-12Ac a E8-12Ac Z8-12OH 12Ac	100 0.5 0.6 0.4		Hall EnExAp 35:33 1984 735
<i>Cryptophlebia unicella</i>	C	Z8-12Ac			Dix USForSVRsNt RM-445:1 1984 736
<i>Cryptophlebia leucotreta</i>	P	E8-12Ac a Z8-12Ac a	1 1		Persoons JCEc 3:717 1977 L 737
<i>Cryptophlebia leucotreta</i>	P	E8-12Ac a Z8-12Ac a 12Ac a	552 184 64		Zagatti Ago 3:73 1983 n 738
<i>Cryptophlebia leucotreta</i>	P	E8-12Ac a Z8-12Ac a E8-12OH Z8-12OH 12Ac	38 62 0.3 0.4 15.6		Hall EnExAp 35:33 1984 739



Noctuidae, Plusiinae

<i>Trichoplusia</i> <i>ni</i>	O	Z7-12Ac	200	Steck EvEn 9:583	
		Z7-14Ac	1	1980	1640
<i>Trichoplusia</i> <i>ni</i>	P	Z7-12Ac	100	Hjostad JCEc 10:1309	
		12Ac	4.7	1984	1641
		Z5-12Ac	7.72		
		11-12Ac	2.9		
		Z7-14Ac	0.4		
		Z9-14Ac	0.3		
		Z11-14Ac	0.03		
		14Ac	0.04		
		Z11-16Ac	0.1		
		16Ac	0.1		
		12OH	0.03		
		Z5-12OH	0.1		
		Z7-12OH	0.81		
		11-12OH	0.01		

<i>Trichoplusia</i> <i>ni</i>	P	12Ac	3.8	Haynes JCEc 16:1249	
		Z5-12Ac	9.2	1990	n 1642
		Z7-12Ac	53.1		
		11-12Ac	1.8		
		Z7-14Ac	0.82		
		Z9-14Ac	0.47		

<i>Trichoplusia</i> <i>ni</i>	P	12Ac	3.2	Haynes JCEc 16:1249	
		Z5-12Ac	0.3	1990	n 1643
		Z7-12Ac	18.3		
		11-12Ac	0.7		
		Z7-14Ac	0.4		
		Z9-14Ac	0.4		

<i>Trichoplusia</i> <i>oxygramma</i>	A	Z7-12Ac		Mitchell BvEn 1:365	
				1972	1644

<i>Trichoplusia</i> <i>oxygramma</i>	A	Z7-12Ac	96	McLaughlin JGgBnSo 10:338	
		B7-12Ac	1	1975	1645

<i>Trichoplusia</i> <i>oxygramma</i>	O	Z7-12Ac	10	Landolt FIEn 69:425	
		Z9-14Ac	1	1986	1646

Noctuidae, Sarothripinae

<i>Lamprothrips</i> <i>lactaria</i>	A	Z9B12-14Pr		Ando AgBiC 41:1485	
				1977	1647

Noctuidae, Chloephorinae

<i>Earias</i> <i>biplaga</i>	A	Z11-16AJ		Nesbitt JInPhy 25:535	
				1979	1648

<i>Earias</i> <i>insulana</i>	P	E10E12-16AJ		Hall Bx 36:152	
				1980	1649

<i>Earias</i> <i>insulana</i>	O	E10E12-16AJ	1000	Cork JCEc 14:929	
		E10Z12-16AJ	100	1988	1650
		Z11-16AJ	200		
		Z11-18AJ	200		

*Earias*  
*vittell*

*Earias*  
*vittell*

Noctuidae

*Nola*  
*confu*

Noctuidae

*Delade*  
*candii*

*Emmelit*  
*trabea*

*Emmelit*  
*trabea*

*Erastria*  
*trabea*

*Eustrotia*  
*uncula*

*Lithacod*  
*albidul*

*Lithacod*  
*decept*

*Lithacod*  
*pygarg*

*Micardia*  
*argenti*

*Naranga*  
*aenesci*

*Phylloph*  
*obliter*

Noctuidae

*Acronicta*  
*grisea*

*Acronicta*  
*sperata*

## Noctuidae, Noctuinae

<i>Euxoa divergens</i>	A	Z9-12Ac Z7-10Ac		Steck CnEn 111:1263 1979 2103	
<i>Euxoa divergens</i>	A	Z9-12Ac Z7-12Ac	200 1	Steck JCEc 8:731 1982 2104	
<i>Euxoa drewseni</i>	P	10Ac Z5-12Ac a Z7-12Ac a Z7-14Ac a 14Ac Z7-16Ac Z9-16Ac 16Ac Z5-12OH Z5-14Ac Z7-14OH	0.3 100 11 18 2 0.8 4 0.8 20 4 5	Struble JCEc 9:335 1983 2105	
<i>Euxoa eruta</i>	A	Z3-10Ac Z5-10Ac	1 1	Priesner ZNf 43c:961 1988 2106	
<i>Euxoa flavicollis</i>	A	Z9-14Ac		Steck CnEn 111:1263 1979 2107	
<i>Euxoa flavicollis</i>	O	Z9-14Ac Z7-12Ac	1000 1	Steck JCEc 8:731 1982 2108	
<i>Euxoa hastifera</i>	A	Z5-10Ac Z7-12Ac	1 1	Tóth & Szöcs pc 1985 2109	
<i>Euxoa hastifera</i>	A	Z5-10Ac Z7-12Ac		Coroia RvRmBiAni 31:109 1986 2110	
<i>Euxoa hastifera</i>	A	Z5-10Ac Z7-12Ac	1 1	Coroia StUnBbBi 33:61 1988 2111	
<i>Euxoa hastifera</i>	A	Z5-10Ac Z7-12Ac		Subchev JApEn 109:189 1990 2112	
<i>Euxoa luteola</i>	A	Z9-14Ac Z11-16Ac		Steck EvEn S:523 1976 2113	
<i>Euxoa mairis</i>	P	Z7-12Ac Z5-14Ac Z7-14Ac a Z7-14OH Z9-14Ac a Z9-14OH Z11-14Ac a Z11-16Ac a Z11-16OH a	<0.2 <0.2 <0.5 100 1.5 1.3 4.0 <0.6	Struble CnEn 117:495 1985 2114	
<i>Euxoa manitobana</i>	A	Z9-14Ac Z7-14Ac	4 1	Steck JCEc 8:731 1982 2115	
<i>Euxoa messoria</i>	O	Z7-16Ac Z11-16Ac	1 40	Struble CnEn 109:975 1977 2116	
<i>Euxoa messoria</i>	A	Z11-16Ac Z7Z11-16Ac	40 1	Struble CnEn 109:975 1977 2117	
<i>Euxoa messoria</i>	A	Z7-14Ac Z11-16Ac		Steck CnEn 111:1263 1979 2118	

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